
Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

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Validated By CRFValidator v 1.0.3

Application No: 10588286 Version No: 1.0

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Actual SeqID Count: 13

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	KAWABATA, HIROSHI	
	HIRAOKA, HIROTOSHI	
	UEDA, MAKOTO	
	UEHARA, HISATOHSI	

<120> METHOD FOR PRODUCING ALCOHOL AND CARBOXYLIC ACID HAVING OPTICAL ACTIVITY

<130> P30416

<140> 10588286

<141> 2007-12-17

<150> PCT/JP05/02093

<151> 2005-02-04

<150> JP 027815/2004

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<170> PatentIn Ver. 3.3

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Thr Ala Arg Ser Gln Ser Lys Tyr Gln Pro Ile Leu Asp Ala Phe Lys \$35\$ \$40\$ \$45\$

Lys Lys Tyr Pro Asp Ala Asn Leu Thr Phe Glu Val Val Pro Asp Ile 50 55 60

Ser Thr Glu Asn Ala Phe Asp Asp Val Leu Lys Lys His Pro Glu Ile 65 70 75 80

Thr Ala Val Leu His Thr Ala Ser Pro Phe Ser Phe Gly Leu Asn Lys 85 90 95

Asp Leu Lys Glu Ala Tyr Leu Lys Pro Ala Val Asp Gly Thr Leu Asn 100 105 110

Ile Leu Lys Ala Ile Glu Lys Tyr Ala Pro Gln Val Thr Lys Val Val 115 120 Ile Thr Ser Ser Tyr Ala Ala Ile Met Thr Gly Asn Pro Ser His Val 135 His Thr Ser Glu Thr Trp Asn Pro Ile Asn Trp Glu Asn Asp Val Lys 145 150 155 160 Asn Glu Tyr Phe Ala Tyr Ile Ala Ser Lys Thr Tyr Ala Glu Lys Ala 170 165 Ala Arg Asp Phe Val Lys Glu His Lys Val Asn Phe Lys Leu Ala Thr 185 Val Asn Pro Pro Tyr Val Leu Gly Pro Gln Leu Phe Asp Phe Ser Val 195 200 205 Gly Pro Val Leu Asn Thr Ser Asn Gln Leu Ile Thr Asp Ala Thr Lys 215 Ile Asp Lys Asn Ser Thr Lys Pro Glu Leu Gly Thr Pro Ala Leu Ala 225 230 235 Val Asp Val Arg Asp Val Ala Ala Phe His Val Leu Pro Leu Glu Asp 245 250 Asp Lys Val Ala Ser Glu Arg Leu Phe Ile Val Ala Gly Pro Ala Val 260 265 Val Gln Thr Phe Leu Asn Ile Ile Asn Glu Asn Ile Pro Glu Leu Lys 275 280 Gly Lys Val Ala Leu Gly Asp Pro Ala Ser Glu Lys Glu Leu Ile Glu 295 Lys His Thr Asp Lys Tyr Asp Leu Thr Asn Leu His Asn Val Ile Gly 310 315 Lys Tyr Asp Phe Ile Pro Val Glu Lys Ser Val Val Asp Val Leu Glu Gln Tyr Tyr Lys Ile Asn Lys Ile Asp 340 345

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Asn Pro Asn Leu Thr Leu Glu Ile Val Pro Asp Ile Ser His Pro Asn 50 55 60

Ala Phe Asp Lys Val Leu Gln Lys Arg Gly Arg Glu Ile Arg Tyr Val

Leu His Thr Ala Ser Pro Phe His Tyr Asp Thr Thr Glu Tyr Glu Lys

85

90

95

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Ile Asp Gly Ile Asn Ala Tyr Phe Ala Ser Lys Lys Phe Ala Glu Lys 165 170 175

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											ggt Gly					393
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	_	-								_	aac Asn	_		_		537
_			_			_		_			gct Ala	_		-		585
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